

What is claimed is:

1. Device for large screen projection, comprising:
a projection lamp;
an image projection plane; and
an objective lens;

wherein the projection lamp contains two light sources which are arranged relative to one another in a manner adapted to produce light envelopes in the form of a partial cone of light from each of the light sources that is directed through the image projection plane and through the objective lens; and wherein a main cone of light is formed from said light sources about a common envelope line of said two partial cones of light.

2. Device as claimed in claim 1, wherein the two partial cones of light have optical axes arranged at an included angle of roughly 18° .

3. Device as claimed in claim 2, further comprising a reflector associated with each of the two light sources, the reflectors defining parabolic shapes which intersect at a junction line of the reflectors which extends in a plane containing said common envelope line of the partial cones of light.

4. Device as claimed in claim 1, further comprising a reflector associated with each of the two light sources, the reflectors defining parabolic shapes which intersect at a junction line of the reflectors which extends in a plane containing said common envelope line of the partial cones of light.

5. Device as claimed in claim 3, wherein edge areas of the reflectors are each shortened on facing side facing thereof, said shortened edge areas being connected to one another.

6. Device as claimed in claim 1, wherein edge areas of the reflectors are shortened on facing sides thereof, said shortened edge areas being connected to one another.

7. Projection lamp for a lamp housing of a large-screen projector, comprising:
two light sources which are arranged relative to one another in a manner adapted to produce light envelopes in the form of a partial cone of light from each of the light sources;
and

wherein a main cone of light is formed from said light sources about a common envelope line of said two partial cones of light.

8. Projection lamp as claimed in claim 7, wherein the two partial cones of light have optical axes arranged at an included angle of roughly 18° .

74
9. Projection lamp as claimed in claim 8, further comprising a reflector associated with each of the two light sources, the reflectors defining parabolic shapes which intersect at a junction line of the reflectors which extends in a plane containing said common envelope line of the partial cones of light.

10. Projection lamp as claimed in claim 7, further comprising a reflector associated with each of the two light sources, the reflectors defining parabolic shapes which intersect at a junction line of the reflectors which extends in a plane containing said common envelope line of the partial cones of light.

11. Device as claimed in claim 9, wherein edge areas of the reflectors are each shortened on facing side facing thereof, said shortened edge areas being connected to one another.

12. Device as claimed in claim 7, wherein edge areas of the reflectors are shortened on facing sides thereof, said shortened edge areas being connected to one another.